

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF
THE DEPENDENT RESURVEY

OF A

PORTION OF THE SOUTH BOUNDARY OF
TOWNSHIP 1 SOUTH, RANGE 24 EAST

AND

A PORTION OF THE EAST BOUNDARY

A

PORTION OF SUBDIVISIONAL LINES

AND

THE SUBDIVISIONAL SURVEY OF SECTIONS 1, 11 AND 14

IN

TOWNSHIP 2 SOUTH, RANGE 24 EAST

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Merrill D. Cazier
Cadastral Surveyor

Under special instructions dated **August 6, 2002**, approved **August 6, 2002**,
which provided for the surveys included under Group Number **952**, and
assignment instructions dated **August 6, 2002**

Survey commenced **August 20, 2002**
Survey completed **August 30, 2002**

INDEX DIAGRAM

Township 2 South, Range 24 East

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TOWNSHIP 2 SOUTH, RANGE 24 EAST, SALT LAKE MERIDIAN, UTAH

The following field notes describe the dependent resurvey of a portion of the South boundary of Township 1 South, Range 24 East, a portion of the East boundary, a portion of the subdivisional lines, and the subdivisional survey of sections 1, 11, and 14, in Township 2 South, Range 24 East, Salt Lake Meridian, Utah.

History of Surveys

Surveyed by

Retr. or Resurveyed by

SOUTH BOUNDARY

All	E. Buettner	1879		
All			Jessen & Harmston	1900
Portion			R. Gentry	1920
Portion			R.A. Zaninovich	1984

EAST BOUNDARY

All	E. Buettner	1879		
All			R. Gentry	1920
Portion			C.F. Moore	1931

WEST BOUNDARY

All	E. Buettner	1879		
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NORTH BOUNDARY

All	A.D. Ferron	1878		
Portion			R. Gentry	1920
All			G.B. Hatch	1972

SUBDIVISION

Portion	A.D. Ferron	1879		
Portion	R. Gentry	1920	R. Gentry	1920

The resurvey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 952, Utah, dated August 6, 2002.

Preliminary to the resurvey the lines of the original resurvey were retraced and search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data was thoroughly verified and only the true line field notes are given herein.

This survey was executed with a Trimble 5700, Global Positioning System (GPS), using relative positioning techniques to establish a geographic position for each corner. The true geodetic mean

TOWNSHIP 2 SOUTH, RANGE 24 EAST, SALT LAKE MERIDIAN, UTAH

bearings and the true horizontal ground distances were determined by inversing between the established positions.

Geodetic control was derived from Global Positioning System (GPS) static observations, post processed by National Geodetic Survey, Online Positioning User Service, (OPUS), Utilizing Continuously Operating Reference Stations; (CORS) RED BUTTE, CARBON COUNTY COU, AND MYTON 1. The NAD 1983 (CORS96) geographic position of the 1/4 section corner of sections 14 and 23, is as follows:

Latitude: 40° 38' 21.174" N.,	Longitude: 109° 11' 33.100" W.
N.A.D. 1983 (CORS 96),	Elevation: 7409 ft.

Dependent Resurvey of a Portion of the South Boundary
of T. 1 S., R. 24 E., Salt Lake Meridian, Utah

(Restoring the Survey Executed by A.D. Ferron in 1878, and the Resurvey Executed by R. Gentry in 1920, and the Resurvey Executed by G.B. Hatch in 1972)

CHAINS

Beginning at the S 1/4 section corner of section 36 only, monumented with an iron post, 2 ½ inches in diameter, firmly set, projecting 8 inches above ground, with brass cap marked as described in the official record of the 1972 resurvey of the South boundary of T. 1 S., R. 24 E.

S. 89° 31.5' W., on the South boundary of section 36.

12.516

The N 1/4 section corner of section 1 only, T. 2 S., R. 24 E., monumented with an iron post, 1 inch in diameter, firmly set, projecting 10 inches above ground, with brass cap marked as described in the official record of the 1972 resurvey of the South boundary of T. 1 S., R. 24 E.

Raise a mound of stone, 2 ft. base, 1 ½ ft. high, south of corner.

40.664

The corner of sections 35 and 36 only, monumented with an iron post, 2 ½ inches in diameter, firmly set, projecting 4 inches above ground, with brass cap marked as described in the official record of the 1972 resurvey of the South boundary of T. 1 S., R. 24 E.

From the corner of sections 34 and 35 only, monumented with an iron post, 2 ½ inches in diameter, firmly set, projecting 5 inches above ground, with brass cap marked as described in the official record of the 1972 resurvey of the South boundary of T. 1 S., R. 24 E.

S. 89° 41.5' W., on the South boundary of section 34.

**DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
OF T. 1 S., R. 24 E., SALT LAKE MERIDIAN, UTAH**

CHAINS

- 10.472** Point for the corner of sections 2 and 3 only, T. 2 S., R. 24 E., determined longitudinally by a fence bearing North and South, and latitudinally by proportionate distance, there is no remaining evidence of the 1972 resurvey monument.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in the ground, with magnet at base, and aluminum cap marked:

T1S R24E	
S34	
S3	S2
T2S R24E	
2002	

- 40.688** The S 1/4 section corner of section 34 only, monumented with an iron post, 2 ½ inches in diameter, firmly set, projecting 10 inches above ground, with brass cap marked as described in the official record of the 1972 resurvey of the South boundary of T. 1 S., R. 24 E.

Dependent Resurvey of a Portion of the East Boundary
of T. 2 S., R. 24 E., Salt Lake Meridian, Utah

(Restoring the Survey Executed by E. Buettner in 1879, and the
Resurvey Executed by R. Gentry in 1920)

From the corner of sections 1, 6, 7 and 12 on the East boundary of the Township, monumented with an iron post, 2 inches in diameter, firmly set, projecting 12 inches above ground, with brass cap marked as described in the official record of the 1920 resurvey of the East boundary of T. 2 S., R. 24 E.

N. 0° 00.1' E., between sections 1 and 6.

- 39.966** The 1/4 section corner of sections 1 and 6, monumented with an iron post, 2 ½ inches in diameter, firmly set, projecting 12 inches above ground, with brass cap marked as described in the official record of the 1920 resurvey of the East boundary of T. 2 S., R. 24 E.

Raise a mound of stone, 2 ft. base, 1 ½ ft. high, west of corner.

Dependent Resurvey of a Portion of the Subdivisional Lines
of T. 2 S., R. 24 E., Salt Lake Meridian, Utah

(Restoring the Survey executed by R. Gentry in 1920)

**DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
OF T. 2 S., R. 24 E., SALT LAKE MERIDIAN, UTAH**

CHAINS

From the 1/4 section corner of sections 13 and 14 of T. 2 S., R. 24 E., monumented with an iron post, 1 inch in diameter, firmly set, projecting 12 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

N. 0° 00.8' E., between sections 13 and 14.

19.988 Point for the N 1/16 section corner of sections 13 and 14.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
N 1/16
S14 | S13
2002

A rebar was found at this point, deposit rebar inside aluminum post.

39.976 The corner of sections 11, 12, 13 and 14, monumented with an iron post, 2 inches in diameter, firmly set, projecting 12 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

N. 0° 01.9' W., between sections 11 and 12.

19.990 Point for the S 1/16 section corner of sections 11 and 12.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
S 1/16
S11 | S12
2002

39.980 The 1/4 section corner of sections 11 and 12, monumented with an iron post, 1 inch in diameter, firmly set, projecting 10 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

N. 0° 01.2' W., beginning new measurement.

**DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
OF T. 2 S., R. 24 E., SALT LAKE MERIDIAN, UTAH**

CHAINS

39.977 The corner of sections 1, 2, 11 and 12, determined by a fence corner with fences bearing North, South and East. This fence corner is harmoniously related to existing original corners, and is accepted as the best available evidence of the position of the original corner. The 1920 iron post was found lying near fence corner.

Reset iron post, 2 inches in diameter, 29 inches in ground, with magnet at base, alongside fence corner, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E. I marked 2002 on the brass cap.

From the corner of sections 1, 6, 7 and 12 on the East boundary of the Township, hereinbefore described.

N. 89° 57.4' W., between sections 1 and 12.

39.875 The 1/4 section corner of sections 1 and 12, monumented with an iron post, 1 inch in diameter, firmly set, projecting 12 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

N. 89° 59.5' W., beginning new measurement.

19.948 Point for the W 1/16 section corner of sections 1 and 12.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 28 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
S1
W 1/16 —————
S12
2002

Corner is located near fence running North, South, and West.

39.896 The corner of sections 1, 2, 11 and 12.

N. 0° 08.8' W., between sections 1 and 2.

20.005 Point for the S 1/16 section corner of sections 1 and 2. Not monumented.

**DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
OF T. 2 S., R. 24 E., SALT LAKE MERIDIAN, UTAH**

CHAINS

40.010 The 1/4 section corner of section 1 and 2, monumented with an iron post, 1 inch in diameter, firmly set, projecting 18 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

From the 1/4 section corner of sections 14 and 15, monumented with an iron post, 1 inch in diameter, firmly set, projecting 14 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

N. 0° 01.1' E., between sections 14 and 15.

39.967 The corner of sections 10, 11, 14 and 15, monumented with an iron post, 2 inches in diameter, firmly set, projecting 10 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

From the corner of sections 11, 12, 13 and 14.

S. 89° 58.1' W., between sections 11 and 14.

19.896 Point for the E 1/16 section corner of sections 11 and 14.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
S11
E 1/16 ———
S14
2002

Found 1/2" x 18" rebar firmly set on the ground at this point.

Deposit rebar inside aluminum post.

39.792 The 1/4 section corner of sections 11 and 14, monumented with an iron post, 1 inch in diameter, firmly set, projecting 14 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

S. 89° 56.1' W., beginning new measurement.

19.938 Point for the W 1/16 section corner of sections 11 and 14.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

**DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
OF T. 2 S., R. 24 E., SALT LAKE MERIDIAN, UTAH**

CHAINS

T2S R24E
S11
W 1/16 —————
S14
2002

39.876 The corner of sections 10, 11, 14 and 15.

N. 0° 01.8' W., between sections 10 and 11.

19.987 Point for the S 1/16 section corner of sections 10 and 11.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 28 inches in ground, in a mound of stone, 4 ft. base to top, with magnet at base, and aluminum cap marked:

T2S R24E
S 1/16
S10 | S11
2002

39.974 The 1/4 section corner of sections 10, and 11, monumented with an iron post, 1 inch in diameter, firmly set, projecting 20 inches above ground, with brass cap marked as described in the official record of the 1920 resurvey of the subdivision of T. 2 S., R. 24 E.

N. 0° 02.2' W., beginning new measurement.

39.930 The corner of sections 2, 3, 10, and 11, monumented with an iron post, 2 inches in diameter, firmly set, projecting 22 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

From the corner of sections 1, 2, 11 and 12.

S. 89° 57.1' W., between sections 2 and 11.

39.816 The 1/4 section corner of sections 2 and 11, monumented with an iron post, 1 inch in diameter, firmly set, projecting 16 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

S. 89° 52.3' W., beginning new measurement.

19.922 Point for the W 1/16 section corner of sections 2 and 11.

**DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
OF T. 2 S., R. 24 E., SALT LAKE MERIDIAN, UTAH**

CHAINS

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
S2
W 1/16 ———
S11
2002

39.844 The corner of sections 2, 3, 10 and 11.

N. 0° 17.5' W., between sections 2 and 3.

39.930 The 1/4 section corner of sections 2 and 3, monumented with an iron post, 1 inch in diameter, firmly set, projecting 10 inches above ground, with brass cap marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

N. 0° 15.5' W., beginning new measurement.

44.560 The corner of sections 2 and 3 only, on the North boundary of the township, hereinbefore described.

The Subdivisional Survey of Section 1,
T. 2 S., R. 24 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 1 and 12.

N. 0°00.7' W., on the N-S center line of section 1.

19.989 Point for the center S 1/16 section corner of section 1.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 24 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
C
S1/16 | S1
C
2002

39.978 Point for the center 1/4 section corner of section 1, at the intersection with the E-W center line.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

**THE SUBDIVISIONAL SURVEY OF SECTION 1,
T. 2 S., R. 24 E., SALT LAKE MERIDIAN, UTAH**

CHAINS

T2S R24E

C

1/4

S1

2002

85.384 The N 1/4 section corner of section 1 only, hereinbefore described.

From the E 1/4 section corner of sections 1 and 6, on the
East boundary of the township, hereinbefore described.

N. 89° 56.4' W., on the E-W center line of section 1.

39.877 The center 1/4 section corner of section 1.

59.870 The center W 1/16 section corner of section 1. Not monumented

79.863 The 1/4 section corner of sections 1 and 2.

From the W 1/16 section corner of sections 1 and 12.

N. 0° 04.8' W., on the N-S center line of the SW 1/4 of section 1.

19.997 Point for the SW 1/16 section corner at the intersection with the
E-W center line of the SW 1/4 of section 1.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26
inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
SW 1/16 S1
2002

39.994 The point for the center W 1/16 section corner of section 1.

From the center S 1/16 section corner of section 1.

N. 89° 58.0' W., on the E-W center line of the SW 1/4 of section 1.

19.970 The SW 1/16 section corner of section 1.

39.940 The point for the S 1/16 section corner of sections 1 and 2.

The Subdivisional Survey of Section 11,
T. 2 S., R. 24 E., Salt Lake Meridian, Utah

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THE SUBDIVISIONAL SURVEY OF SECTION 11,
T. 2 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS

From the 1/4 section corner of sections 11 and 14.

N. 0° 05.4' W., on the N-S center line of section 11.

19.987 Point for the center S 1/16 section corner of section 11.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
C
S 1/16 | S11
C
2002

39.974 Point for the center 1/4 section corner of section 11, monumented with a 1/2" x 18" rebar firmly set. This is accepted as a careful and faithful establishment of the corner position.

At the corner point.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
C 1/4
S11
2002

Placed found rebar inside of post.

N. 0° 00.6' W., beginning new measurement.

39.972 The 1/4 section corner of section 2 and 11.

From the 1/4 section corner of sections 11 and 12.

S. 89° 57.6' W., on the E-W center line of section 11.

19.915 Point for the center E 1/16 section corner of section 11.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

11
THE SUBDIVISIONAL SURVEY OF SECTION 11,
T. 2 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS

T2S R24E
E 1/16
C ————— C
S11
2002

39.830 The center 1/4 section corner of section 11.

S. 89° 56.1' W., beginning new measurement.

19.915 Point for the center W 1/16 section corner of section 11.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
W 1/16
C ————— C
S11
2002

39.830 The 1/4 section corner of sections 10 and 11.

From the E 1/16 section corner of sections 11 and 14.

N. 0° 03.6' W., on the N-S center line of the SE 1/4 of section 11.

19.988 Point for the SE 1/16 section corner at the intersection with the E-W center line of the SE 1/4 of section 11.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 24 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
SE 1/16
S11
2002

39.976 The center E 1/16 section corner of section 11.

From the S 1/16 section corner of sections 11 and 12.

S. 89° 57.9' W., on the E-W center line of the SE 1/4 of section 11.

19.905 The SE 1/16 section corner of section 11.

12
**THE SUBDIVISIONAL SURVEY OF SECTION 11,
T. 2 S., R. 24 E., SALT LAKE MERIDIAN, UTAH**

CHAINS

39.810 The center S 1/16 section corner of section 11.

From the W 1/16 section corner of sections 11 and 14.

N. 0° 03.6' W., on the N-S center line of the SW 1/4 of section 11.

19.987 Point for the SW 1/16 section corner at the intersection with the E-W center line of the SW 1/4 of section 11.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 12 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
SW 1/16
S11
2002

Raise a mound of stone, 4 ft. base, 1 ½ ft. high.

39.974 The center W 1/16 section corner of section 11.

From the center S 1/16 section corner of section 11.

S. 89° 56.1' W., on the E-W center line of the SW 1/4 of section 11.

19.926 The SW 1/16 section corner of section 11.

39.852 The S 1/16 section corner of sections 10 and 11.

From the center W 1/16 section corner of section 11.

N. 0° 01.4' W., on the N-S center line of the NW 1/4 of section 11.

39.951 The W 1/16 section corner of sections 2 and 11.

The Subdivisional Survey of Section 14,
T. 2 S., R. 24 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 14 and 23, monumented with an iron post, 1 inch diameter, with brass cap broken off and marked as described in the official record of the 1920 survey of the subdivision of T. 2 S., R. 24 E.

At the corner point.

**THE SUBDIVISIONAL SURVEY OF SECTION 14,
T. 2 S., R. 24 E., SALT LAKE MERIDIAN, UTAH**

CHAINS

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 24 inches in ground, in a collar of stone, with magnet at base, and aluminum cap marked:

T2S R24E
S14
1/4 ———
S23
2002

Buried brass cap alongside aluminum post.

Placed iron post inside of aluminum post.

Placed found rebar inside of post.

N. 0° 03.0' E., on the N-S center line of section 14.

40.052 Point for the center 1/4 section corner of section 14, at the intersection with the E-W center line.

Set an aluminum post, 30 inches long, 2 ½ inches in diameter, 26 inches in ground, with magnet at base, and aluminum cap marked:

T2S R24E
C 1/4 S14
2002

80.036 The 1/4 section corner of sections 11, and 14.

From the 1/4 section corner of sections 13 and 14.

S. 89° 57.5' W., on the E-W center line of section 14.

39.823 The center 1/4 section corner of section 14.

79.680 The 1/4 section corner of sections 14 and 15.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Andrew J Lund	Survey Aid

CERTIFICATE OF SURVEY

I, **Merrill D. Cazier, Cadastral Surveyor**, hereby certify upon honor that, in pursuance of special instructions bearing the date of the **6th day of August, 2002**, I have, **Dependently resurveyed a portion of the south boundary of Township 1 South, Range 24 East, a portion of the east boundary, a portion of the subdivisional lines, and surveyed the subdivision of sections 1, 11 and 14, in Township 2 South, Range 24 East,**

of the **Salt Lake** Meridian, in the state of **Utah**, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

Jan. 10, 2005
Date

Merrill D. Cazier
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the **dependent resurvey of a portion of the south boundary of Township 1 South, Range 24 East, a portion of the east boundary, a portion of the subdivisional lines, and the subdivision of sections 1, 11, and 14, in Township 2 South, Range 24 East, Salt Lake Meridian, Utah,**

executed by **Merrill D. Cazier, Cadastral Surveyor**

having been critically examined and found correct, are hereby approved.

January 14, 2005
Date

Daniel W. Webb
(Chief Cadastral Surveyor for Utah)